DESIGN PANEL NO. 9 - 2/27/97

CONSOLIDATED SDS THREAD - SHAWN QUINN

"TOPICS"

- Consolidated SDS Gateway Requirements.
- Consolidated SDS Gateway Performance Requirements.
- Consolidated SDS Gateway Ground Rules
  - Data will only be available from the Backup Pad Meteorological System for JUNO.
  - TCID File required for the Augment SDS CSC will be "hand" built.
  - The Gateway will boot via network and Enterprise 3000 Server.
  - Automatic switch-over to back-up Gateway will not be supported for JUNO.
  - The Gateway will be initialized manually via a Telnet session.
  - The Consolidated SDS Gateway requires connectivity to the Metro Data. The Metro Data Source is only available in the LCC.
- Consolidated SDS Gateway Architecture.
- Consolidated SDS Gateway HWCI.
- Consolidated SDS CSCI.
- Unit Test Plan.

ARCHITECTURAL ISSUES RESOLVED

None

ACTIONS	ACTIONEE	DUE DATE	STATUS
No Action Required			

DESIGN PANEL NO. 9 - 2/27/97

NETWORK SERVICES CSCI DETAIL DESIGN PANEL - JOHN PORTER

PRESENTED BY - ALEX MORALES/BOB McMAHON

"TOPICS"

- Network Services Operational Description
- Network Services Ground Rules
  - The Gateway does not support IP Multicast. JUNO, data messages will instead be broadcasted.
  - The "multicast" capability of Reliable Message will not be reliable for the JUNO delivery. Ground rule assumptions are:
    - Use of reliable communications is not required for JUNO
    - Reliability and failover communications across the CLCS will be defined and allocated to the designated subsystems (Gateway, RTCN, DDP, DCN & HCIs) post JUNO
    - Priority of this delivery is to provide APIs for software development
    - Underlying protocol will be transparent to the users/applications utilizing the API. The reliable portion or any future enhancements can be implemented at a later date with no impact or design changes to external CSCIs.
  - The "connection-oriented" capability (AM/CLM ported software) of Reliable Message will use the COTS TCP standards protocol as the basis for meeting reliability (acks & retransmissions)
  - Inter-Process Communication (IPC) will be implemented by using the ported MCC Event Services. Ground Rule assumptions are:
    - Gateways will not require the use of IPCs (Event Services APIs). Therefore, Event-Services will not be ported to these platforms.
    - Recording of IPCs will not be implemented for JUNO. The Data Logging CSCI will not be included in this design review for JUNO
    - Primary purpose for the porting of Event Services will be for evaluation against Application Services and Data Logging requirements once they are defined as well as providing a common API.
- Network Services Functional Requirements
- Reliable Messages Performance Requirements
- Reliable Messages Interfaces
- Reliable Messages Data Flow Diagrams
- Network Services Structure Diagrams
- Network Services Test Plan

ARCHITECTURAL ISSUES RESOLVED

None

ACTIONS	ACTIONEE	DUE DATE	STATUS
No Action Required			